Vienna Instruments
Solo Download Instruments
English Horn II
Full Library

Contents

Introduction

Welcome to the Vienna Symphonic Library, and thank you for purchasing one of our Solo Download Instruments! This document contains the mapping information for the "Full" version of the Vienna Instruments English Horn ll. You will find in it a comprehensive survey of the articulations/Patches content, a listing of abbreviations, and the mapping list proper which gives details for every Patch, Matrix, and Preset.

"Full" Library

As opposed to the "Standard" versions of our Solo Download Instruments, the "Full" versions are identical with the corresponding instruments of a DVD Collection, i.e., they contain exactly the same samples, Patches, Matrices and Presets as the latter without any restrictions.

Installing a Download Instrument's Full version copies that instrument's sample content to a separate folder on your hard disk, so that it is not necessary to keep its Standard version installed – you may either delete it from your hard disk or at least remove it from the Directory Manager's list of activated instruments. In the Vienna Instruments Browser, the path of the Full version will be the same as that of the corresponding DVD Instrument, so that you can still see both versions as separate entries if you keep the Standard version installed.

Data paths and Patch name conventions

Since the Full versions of Download Instruments conform to the corresponding DVD Instruments, the data paths in your Vienna Instruments browser will be different than those of Standard Download or Special Edition Instruments. For instance, the path of the Standard Download Library of Flute 1 is "02D Flute-1", and all Patches can be found in this folder regardless of the articulation group they belong to. The Patch number is also marked with a "D" so that you immediately know it is a Download Instrument. In the Vienna Special Edition, Flute 1 is located in the folder "11 Flutes" together with the other flutes. Here, the Patch number is marked with an "S". The Full Download of Flute 1 is located in the subfolder "32 Flute" of the section "Woodwind Patches", which again contains subfolders grouping the Patches according to type, e.g., "01 SHORT + LONG NOTES", "02 DYNAMICS", etc. Patch names of the Full Download Library may differ from the corresponding ones of the Standard Download Library.

While Full Download Instruments contain all articulations of the corresponding DVD Instruments, their Patches are not divided into Standard and Extended content. The list of articulations further down which gives a summary of the Library's contents.

Special Patch configurations which sometimes are part of a Standard Download Instrument may be found in a reserved folder called "98 RESOURCES" in the Full Instrument. E.g., Flute 1 Standard contains the Patch "22D FL1 legato-sus"; in Flute 1 Full, this Patch is called "01 FL1_perf_leg_sustain" and is located in the Resources' subfolder "03 Perf Speed variation". (Apart from that, it also contains more samples.) Other articulations that can be found in the Resources folder are isolated dynamics repetitions in the subfolder "01 Perf Rep dyn" – e.g., the five repetitions of a legato crescendo, divided into separate Patches – and extracted velocity layers of sustained notes in the subfolder "02 Long Notes – Single Layer".

Patch information

The Patch information includes articulation type, playing range, number of samples used, RAM requirements, the number of velocity layers and alternations, AB switching possibilities, etc., as well as Patch specific information if necessary.

Where the type of articulation requires a special mapping (e.g., natural harmonics patches), the mapping layout will be shown in a detailed graphic.

Major and minor runs are always mapped to the keys of their scale, as are **arpeggios** to the keys of the broken chord played. **Grace notes** and **mordents** are mapped to their target note, i.e., the note the articulation ends with. Due to their nature, all **upward and downward articulations** (e.g., fixed glissandos and octave runs) have different mapping ranges – the upward movements ending the involved interval below the Patch's upper mapping range, while downward movements end the interval above its lower mapping range. (Please note that not all of the articulations mentioned above may be contained in your Collection.)

The Patch information also lists a Patch's velocity layers in detail. Velocity layer switches generally are the same for patches with the same number of layers but may occasionally be adapted to the instrument's requirements:

Layers	Layer 1	Layer 2	Layer 3	Layer 4	Layer 5	Layer 6
2	1–88	89–127				
3	1–55	56–88	89–127			
4	1–55	56–88	89–108	109-127		
5	1–24	25–55	56–88	89–108	109–127	
6	1–24	25–55	56–88	89–108	109–118	119–127

Interval performances

Interval performances are one of the outstanding features of our Vienna Instruments. They allow you to play authentic legato without any programming tricks. In our Silent Stage, all intervals from minor second to the octave were recorded for every instrument – up and down, of course; that makes 24 interval samples per note for one velocity alone! When you load an interval performance Patch and play a line on your keyboard, the software automatically joins the right samples with their interval transitions again, and you hear a perfect legato. By the way, this technique is not only used for legato but also for other articulations like the strings' portamento, marcato, or détaché and spiccato articulations.

Interval performances also contain at least two legato repetitions for every note which alternate automatically whenever you strike a key more than once. There also are preconfigured thresholds for legato and repetition notes: The legato threshold – i.e., the maximum break between notes where legato is played – is 50 ms. Otherwise, a sustained starting note will sound so that you can easily start a new phrase without leaving the legato Patch. For note repetitions, the threshold is 200 ms: a break up to that duration will yield a legato repetition; if the break is longer, a new starting note. But of course, it's mingling legato with other articulations which makes a piece really come alive.

Due to their nature, all interval performances are monophonic; otherwise, the software would have to be able to decide which source note belongs to which target note. To circumvent this, you can open two VI instances of the same instrument on separate MIDI tracks without any additional strain on your RAM.

Note: the Vienna Instruments PRO player software also allows you to play polyphonic Interval performances.

Another variety of interval performance you will come across is the "perf-leg_sus" Patch. These Patches also contain normal legatos, only the target note of each interval is crossfaded into a looped sustain. They can be used for slower pieces with long notes; however, you should use them with circumspection, since plain legatos sound more lively because they not only render the interval transitions as they were played, but also have different target samples for every interval instead of the same sustained note: When you play, e.g., c–e and then c#–e with normal legato, you will get two different "e" tones; with sus-legato you won't.

Matrix information

Each Matrix listing contains information regarding the Patches used for the Matrix, the number of horizontal and vertical dimensions, and switching properties. A mapping table shows the Cell positions for each of the Matrix' Patches.

A/B switching normally is set to A0 for upward/crescendo, and B0 for downward/diminuendo. However, some bass instruments go below that range so that the A/B keys have to be adapted accordingly. For example, the A/B switches for double bass are A0 and A#0 because the instrument's lower range extends to B0.

In order to facilitate working with **MIDI controller switches** like the Modulation wheel, the switching positions are not distributed equally across the controller range if they control more than two Matrix rows or columns; generally, the switching range will be narrower at the extreme positions because they are easy to set, and wider in the middle where it is harder to find the desired setting.

Speed controller switches naturally are adjusted to the Patches involved, and have been tested carefully as to their playability. However, if you find that they do not fit your playing, or want to try out other settings, you can change this as well as any other controller's settings at the **Control edit** page, and save the result in your Custom Matrix folder.

Preset information

The Preset information lists the Matrices used in the Preset as well as its keyswitches. All other information can be gathered from the Matrix and Patch listings, so there's not really much to say here. Please note that the Matrices of a Preset can also be switched with MIDI Program Changes (VI: 101–112; VI PRO: 1–127) instead of keyboard notes, and if you like to keep your keyboard free for playing instead of switching, you can disable Preset keyswitching and only use MIDI Program Changes. Vienna Instruments PRO also allows you to define a MIDI Control for Preset keyswitching.

Abbreviations

Here's a list of abbreviations in Patch names, which will help you to determine a Patch's content even without the help of the Vienna Instruments browser. Please note that not all of the abbreviations may occur in the manual on hand.

Abbreviation	Meaning	Abbreviation	Meaning
+	faster articulation (runs and arpeggios)	li	light
150, 160, …	150, 160, … BPM (beats per minute)	lo	long
1s, 2s, …	tone length 1 sec., 2 sec., …	ma	major
acc	accelerando	me	medium
all	combination of all Patches of a category	mi	minor
arp	arpeggio	mord	mordent
cre	crescendo	nA	normal attack
dim	diminuendo	noVib	without vibrato
dm	diminished (arpeggios)	perf-rep	repetition performance
dyn	dynamics (crescendo and diminuendo)	por	portato
		run	octave run
dyn5, dyn9	dynamics, 5/9 repetitions	sA	soft attack
fa	fast	sl	slow
faT	fast triplets	sta, stac	staccato
fA	fast attack	str	strong
fA_auto	attack automation (normal/fast attack)	sus	sustained
		T	triplets
fast-rep	fast repetitions	UB	upbeat
flatter	flutter tonguing	UB-a1, -a2	1, 2 upbeats
fx	effect – flute: tongue-ram staccato	v1, v2 …	1st, 2nd, … variation
hA	hard attack	Vib	with (medium) vibrato
leg	legato	Vib-progr	progressive vibrato
		XF	cell crossfade Matrix

Articulations

38 English Horn II	
01 SHORT + LONG NOTES	Staccato Portato short and medium Portato long with vibrato, normal and pressed attack Portato long without vibrato Sustained with normal and progressive vibrato
02 DYNAMICS	Medium dynamics with vibrato, 2, 3, 4 sec. Strong dynamics with vibrato, 4 sec. Strong dynamics without vibrato, 2, 3, 4 sec. pfp with vibrato, 2, 4 and 8 sec. pfp without vibrato, 3, 5, 8 sec. Fortepiano, sforzato, sforzatissimo
03 FLATTER + TRILLS	Flutter tonguing normal and dynamics Trills, minor and major 2nd Trills accelerando, minor and major 2nd Dynamics for all trills
10 PERF INTERVAL	Legato Grace notes Marcato
11 PERF INTERVAL FAST	Legato Marcato
12 PERF TRILL	Trills, legato, minor 2nd to major 3rd
13 PERF REPETITION	Legato, portato, staccato slow and fast Dynamics for all repetitions
14 GRACE NOTES	Grace notes, minor 2nd to octave, up and down

The orchestra

There are several ways of setting up an orchestra, depending on the era of the piece played, the type of the piece and the instruments it requires, and even on the preference of the conductor. The figure below shows one of the more common setups, which can be taken as a guideline for mixing a composition, properly positioning the instruments in the stereo field and adding reverb according to the size of the concert hall you want your piece to be played in.
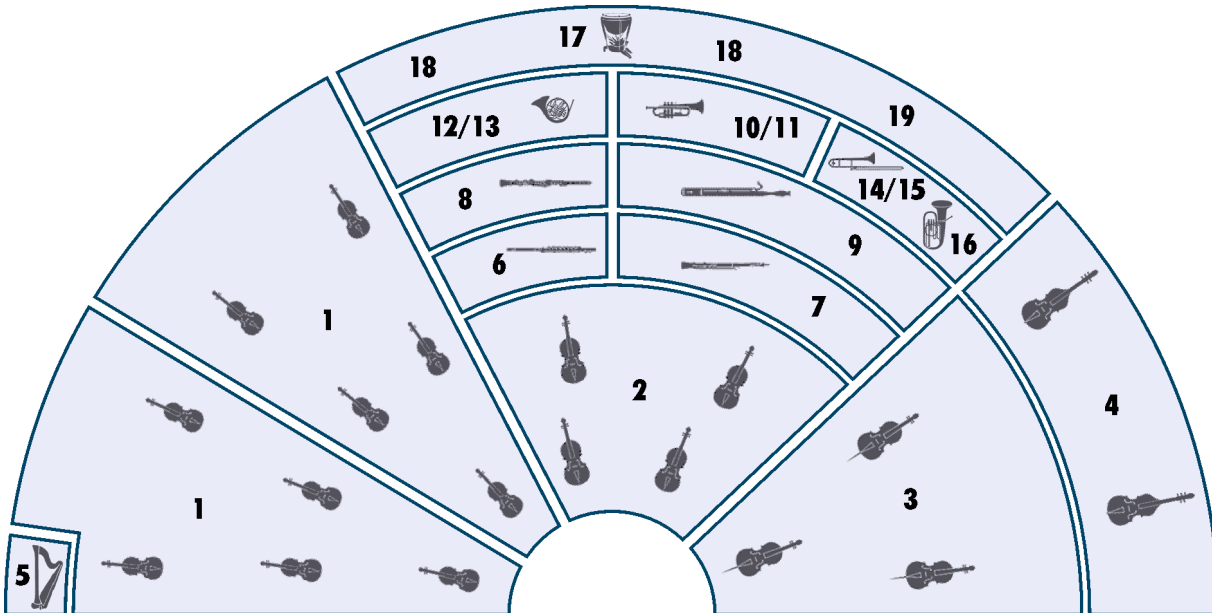
1	1st and 2nd violin	9	Bassoon, contrabassoon
2	Viola	10/11	Trumpet
3	Cello	12/13	Horn
4	Double bass	14/15	Trombone
5	Harp	16	Tuba
6	Concert flute, piccolo	17	Timpani
7	Oboe, English horn	18	Drums, cymbals
8	Clarinet, bass clarinet	19	other percussion instruments

Pitch

For designating pitch, the Vienna Symphonic Library uses International Pitch Notation (IPN), which was agreed upon internationally under the auspices of the Acoustical Society of America. In this system the international standard of A=440 Hz is called A4 and middle C is C4. All pitches are written as capital letters, their respective octave being indicated by a number next to it. The lowest C on the piano is C1 (the A below that is A0), etc.

You can tune your Vienna Instruments to other players, or adjust it to tunings of earlier musical periods by setting the Perform page's Master Tune option within a range of 420 to 460 Hz.

38 English Horn II

The Instrument

Description

The cor anglais, or English horn, is the alto instrument of the oboe family (oboe: soprano, oboe d'amore: mezzo-soprano, English horn: alto, Heckelphone: baritone).

Since the Classical era orchestras have made use of the English horn's melancholy sound to suggest rural and pastoral scenes and to perform mournful airs.

In the 20th century, several chamber music works were written, but despite this the English horn has not become a solo instrument, remaining chiefly an orchestra instrument.

Range and notation

The English horn has a range from E3–A5. It is a transposing instrument and sounds a fifth lower than written. Notation is in treble clef.

Sound characteristics

Mellow, full, powerful, sonorous, resonant, expressive, vocal, insistent, wistful, plaintive, mournful, melancholy, acerbic, reedy, penetrating, distant, warm, veiled, pastoral.

The English horn sounds darker and more powerful than the oboe. The middle register is the most frequently used register on the English horn and a downward extension of the oboe. The sound can express a wide variety of feelings, from melancholy and despair to carefree merriment and mischievous abandon. The sound seems to come from a long way away which makes it ideal for the creation of sentimental and nostalgic moods.

Combination with other instruments

Due to its striking and distinctive character the English horn was used exclusively as a solo instrument to suggest pastoral moods or to evoke feelings of nostalgia by playing elegiac cantilenas till the last third of the 19th century. Today it represents a powerful and distinctive middle voice in the woodwind group. It combines very well with the trumpets and horns; a blend is possible with the violas, which share some of the English horn's dark and acerbic properties.

Patches

01 SHORT + LONG NOTES	Range: D#3–C6	

01 EH2_staccato

Samples: 264   RAM: 16 MB

Staccato
4 velocity layers
4 Alternations

02 EH2_portato_short

Samples: 264   RAM: 16 MB

Portato, short
4 velocity layers
4 Alternations

03 EH2_portato_medium

Samples: 264   RAM: 16 MB

Portato, medium
4 velocity layers
4 Alternations

04 EH2_por_lo_nA_Vib

Samples: 150   RAM: 9 MB

Portato, long, normal attack, with vibrato
3 velocity layers
Release samples

05 EH2_por_lo_nA_noVib

Samples: 231   RAM: 14 MB

Portato, long, normal attack, without vibrato
4 velocity layers
Release samples
2 Alternations

06 EH2_por_lo_pA_Vib

Samples: 167   RAM: 10 MB

Portato, long, pressed attack, with vibrato
4 velocity layers
Release samples

11 EH2_sus_Vib

Samples: 231   RAM: 14 MB

Sustained, with vibrato
4 velocity layers
Release samples

12 EH2_sus_Vib_progr

Samples: 100   RAM: 6 MB

Sustained, progressive vibrato
2 velocity layers
Release samples

02 DYNAMICS	**Range: D#3–C6**	

01 EH2_dyn-me_Vib_2s — Samples: 68 — RAM: 4 MB

Medium crescendo and diminuendo with vibrato, 2 sec.
2 velocity layers
AB switch: crescendo/diminuendo

02 EH2_dyn-me_Vib_3s — Samples: 68 — RAM: 4 MB

Medium crescendo and diminuendo with vibrato, 3 sec.
2 velocity layers
AB switch: crescendo/diminuendo

03 EH2_dyn-me_Vib_4s — Samples: 68 — RAM: 4 MB

Medium crescendo and diminuendo with vibrato, 4 sec.
2 velocity layers
AB switch: crescendo/diminuendo

04 EH2_dyn-str_Vib_4s — Samples: 34 — RAM: 2 MB

Strong crescendo and diminuendo with vibrato, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

05 EH2_dyn-str_noVib_2s — Samples: 34 — RAM: 2 MB

Strong crescendo and diminuendo without vibrato, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

06 EH2_dyn-str_noVib_3s — Samples: 34 — RAM: 2 MB

Strong crescendo and diminuendo without vibrato, 3 sec.
1 velocity layer
AB switch: crescendo/diminuendo

07 EH2_dyn-str_noVib_4s — Samples: 34 — RAM: 2 MB

Strong crescendo and diminuendo without vibrato, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

08 EH2_pfp_Vib_2s — Samples: 34 — RAM: 2 MB

Crescendo-diminuendo with vibrato, 2 sec.
2 velocity layers

09 EH2_pfp_Vib_4s — Samples: 34 — RAM: 2 MB

Crescendo-diminuendo with vibrato, 4 sec.
2 velocity layers

10 EH2_pfp_Vib_8s — Samples: 34 — RAM: 2 MB

Crescendo-diminuendo with vibrato, 8 sec.
2 velocity layers

11 EH2_fp
Samples: 33 **RAM: 2 MB**

Fortepiano
1 velocity layer
2 Alternations

12 EH2_sfz
Samples: 33 **RAM: 2 MB**

Sforzato
1 velocity layer
2 Alternations

13 EH2_sffz
Samples: 33 **RAM: 2 MB**

Sforzatissimo
1 velocity layer
2 Alternations

03 FLATTER + TRILLS **Range: D#3–A#5**

01 EH2_flatter
Range: D#3–C6 **Samples: 34** **RAM: 2 MB**

Flutter tonguing
1 velocity layer
Release samples

02 EH2_flatter_dyn
Range: D#3–C6 **Samples: 34** **RAM: 2 MB**

Flutter tonguing, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

11 EH2_trill_1
Samples: 64 **RAM: 4 MB**

Trills, minor 2nd
2 velocity layers
Release samples

12 EH2_trill_2
Samples: 64 **RAM: 4 MB**

Trills, major 2nd
2 velocity layers
Release samples

13 EH2_trill_1_dyn
Samples: 32 **RAM: 2 MB**

Trills, minor 2nd
Crescendo and diminuendo
1 velocity layer
AB switch: crescendo/diminuendo

14 EH2_trill_2_dyn
Samples: 32 **RAM: 2 MB**

Trills, major 2nd
Crescendo and diminuendo
1 velocity layer
AB switch: crescendo/diminuendo

15 EH2_trill_1_acc   Samples: 64   RAM: 4 MB

Trills accelerando, minor 2nd
2 velocity layers
Release samples

16 EH2_trill_2_acc   Samples: 64   RAM: 4 MB

Trills accelerando, major 2nd
2 velocity layers
Release samples

17 EH2_trill_1_acc-dyn   Samples: 32   RAM: 2 MB

Trills accelerando, minor 2nd
Crescendo and diminuendo
1 velocity layer
AB switch: crescendo/diminuendo

18 EH2_trill_2_acc-dyn   Samples: 32   RAM: 2 MB

Trills accelerando, major 2nd
Crescendo and diminuendo
1 velocity layer
AB switch: crescendo/diminuendo

10 PERF INTERVAL   Range: D#3–C6

01 EH2_perf-legato   Samples: 846   RAM: 52 MB

Legato
2 velocity layers
Release samples

02 EH2_perf-legato_grace   Samples: 846   RAM: 52 MB

Grace notes, legato, minor 2nd to octave
2 velocity layers
Release samples

03 EH2_perf-marcato   Samples: 846   RAM: 52 MB

Marcato
2 velocity layers
Release samples

11 PERF INTERVAL FAST   Range: D#3–C6

01 EH2_perf-legato_fa   Samples: 840   RAM: 52 MB

Legato, fast
2 velocity layers
Release samples

02 EH2_perf-marcato_fa   Samples: 898   RAM: 56 MB

Marcato, fast
2 velocity layers
Release samples

12 PERF TRILL   Range: D#3–G#5

01 EH2_perf-trill   Samples: 1832   RAM: 114 MB

Performance trills, legato, minor 2nd to major 3rd
2 velocity layers
Release samples

13 PERF REPETITION   Range: D#3–C6

01 EH2_perf-rep_leg-sl   Samples: 170   RAM: 10 MB

Legato, slow
2 velocity layers

02 EH2_perf-rep_leg-fa   Samples: 306   RAM: 19 MB

Legato, fast
2 velocity layers

03 EH2_perf-rep_por-sl   Samples: 170   RAM: 10 MB

Portato, slow
2 velocity layers

04 EH2_perf-rep_por-fa   Samples: 306   RAM: 19 MB

Portato, fast
2 velocity layers

05 EH2_perf-rep_sta-sl   Samples: 306   RAM: 19 MB

Staccato, slow
2 velocity layers

06 EH2_perf-rep_sta-fa   Range: E3–C6   Samples: 315   RAM: 19 MB

Staccato, fast
2 velocity layers

21 EH2_perf-rep_dyn5_leg-sl	**Samples: 170**	**RAM: 10 MB**

Legato dynamics, slow, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

22 EH2_perf-rep_dyn9_leg-fa	**Samples: 306**	**RAM: 19 MB**

Legato dynamics, fast, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

23 EH2_perf-rep_dyn5_por-sl	**Samples: 170**	**RAM: 10 MB**

Portato dynamics, slow, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

24 EH2_perf-rep_dyn9_por-fa	**Samples: 306**	**RAM: 19 MB**

Portato dynamics, fast, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

25 EH2_perf-rep_dyn9_sta-sl	**Samples: 306**	**RAM: 19 MB**

Staccato dynamics, slow, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

26 EH2_perf-rep_dyn9_sta-fa	**Samples: 324**	**RAM: 20 MB**

Staccato dynamics, fast, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

14 GRACE NOTES

The samples are mapped to their target note.

01 EH2_grace-1	**Range: D#3–B5**	**Samples: 130**	**RAM: 8 MB**

Grace notes, minor 2nd
2 velocity layers
Release samples
AB switch: up/down

02 EH2_grace-2	**Range: D#3–C6**	**Samples: 130**	**RAM: 8 MB**

Grace notes, major 2nd
2 velocity layers
Release samples
AB switch: up/down

03 EH2_grace-3	**Range: D#3–B5**	**Samples: 126**	**RAM: 7 MB**

Grace notes, minor 3rd
2 velocity layers
Release samples

AB switch: up/down

| **04 EH2_grace-4** | **Range: D#3–C6** | **Samples: 126** | **RAM: 7 MB** |

Grace notes, major 3rd
2 velocity layers
Release samples
AB switch: up/down

| **05 EH2_grace-5** | **Range: D#3–B5** | **Samples: 122** | **RAM: 7 MB** |

Grace notes, 4th
2 velocity layers
Release samples
AB switch: up/down

| **06 EH2_grace-6** | **Range: D#3–C6** | **Samples: 122** | **RAM: 7 MB** |

Grace notes, diminished 5th
2 velocity layers
Release samples
AB switch: up/down

| **07 EH2_grace-7** | **Range: D#3–B5** | **Samples: 118** | **RAM: 7 MB** |

Grace notes, 5th
2 velocity layers
Release samples
AB switch: up/down

| **08 EH2_grace-8** | **Range: D#3–C6** | **Samples: 118** | **RAM: 7 MB** |

Grace notes, minor 6th
2 velocity layers
Release samples
AB switch: up/down

| **09 EH2_grace-9** | **Range: D#3–B5** | **Samples: 114** | **RAM: 7 MB** |

Grace notes, major 6th
2 velocity layers
Release samples
AB switch: up/down

| **10 EH2_grace-10** | **Range: D#3–C6** | **Samples: 114** | **RAM: 7 MB** |

Grace notes, minor 7th
2 velocity layers
Release samples
AB switch: up/down

| **11 EH2_grace-11** | **Range: D#3–B5** | **Samples: 110** | **RAM: 6 MB** |

Grace notes, major 7th
2 velocity layers
Release samples
AB switch: up/down

12 EH2_grace-12   **Range: D#3–C6**   **Samples: 110**   **RAM: 6 MB**

Grace notes, octave
2 velocity layers
Release samples
AB switch: up/down

98 RESOURCES

Isolated dynamics repetitions: Legato slow and fast, portato, staccato
Single layer long notes
Performance Legato with sustain crossfading

01 Perf Rep dyn

01 EH2_rep_cre5_leg-sl-1 (2/3/4/5)   **Range: D#3–C6**   **Samples: 17**   **RAM: 1 MB**

Extracted repetition
Legato slow, cres, 1st to 5th note
1 velocity layer

01 EH2_rep_dim5_leg-sl-1 (2/3/4/5)   **Range: D#3–C6**   **Samples: 17**   **RAM: 1 MB**

Extracted repetition
Legato slow, dim, 1st to 5th note
1 velocity layer

02 EH2_rep_cre9_leg-fa-1 (2/3/4/5/6/7/8/9)   **Range: D#3–C6**   **Samples: 17**   **RAM: 1 MB**

Extracted repetition
Legato fast, cres, 1st to 9th note
1 velocity layer

02 EH2_rep_dim9_leg-fa-1 (2/3/4/5/6/7/8/9)   **Range: D#3–C6**   **Samples: 17**   **RAM: 1 MB**

Extracted repetition
Legato fast, dim, 1st to 9th note
1 velocity layer

03 EH2_rep_cre9_por-1 (2/3/4/5/6/7/8/9)   **Range: D#3–C6**   **Samples: 17**   **RAM: 1 MB**

Extracted repetition
Portato, cres, 1st to 9th note
1 velocity layer

03 EH2_rep_dim9_por-1 (2/3/4/5/6/7/8/9)   **Range: D#3–C6**   **Samples: 17**   **RAM: 1 MB**

Extracted repetition
Portato, dim, 1st to 9th note
1 velocity layer

04 EH2_rep_cre9_sta-1 (2/3/4/5/6/7/8/9)   **Range: D#3–C6**   **Samples: 18**   **RAM: 1 MB**

Extracted repetition
Staccato, cres, 1st to 9th note
1 velocity layer

04 EH2_rep_dim9_sta-1 (2/3/4/5/6/7/8/9)	**Range: D#3–C6**	**Samples: 18**	**RAM: 1 MB**

Extracted repetition
Staccato, dim, 1st to 9th note
1 velocity layer

02 Long Notes - Single Layer	**Range: D#3–C6**		

01 EH2_sus_p		**Samples: 66**	**RAM: 4 MB**

Sustained, piano
1 velocity layer
Release samples

02 EH2_sus_mp		**Samples: 66**	**RAM: 4 MB**

Sustained, mezzopiano
1 velocity layer
Release samples

03 EH2_sus_mf		**Samples: 66**	**RAM: 4 MB**

Sustained, mezzoforte
1 velocity layer
Release samples

04 EH2_sus_f		**Samples: 66**	**RAM: 4 MB**

Sustained, forte
1 velocity layer
Release samples

03 Perf Speed variation	**Range: D#3–C6**		

01 EH2_perf-leg_sustain		**Samples: 911**	**RAM: 56 MB**

Legato with sustain crossfading
2 velocity layers
Release samples

99 RELEASE			

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 EH2 Articulation Combi   Samples: 1089   RAM: 68 MB

Single note articulations
Staccato, portato short, sustained with normal and progressive vibrato, crescendo-diminuendo with vibrato 2 and 4 sec.,
fortepiano and sforzato, flutter tonguing normal and dynamics, trills half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–F1   Vertical: Modwheel, 2 zones

	H1	H2	H3	H4	H5	H6
V1	stac	sus vib.	pfp vib. 2s.	fp	flutter	trill half
V2	port. short	sus prog. vib.	pfp vib. 4s.	sfz	flutter dyn.	trill whole

L1 EH2 Perf-Legato Speed   Samples: 1620   RAM: 101 MB

Interval performances
Legato with sustain crossfading, normal without vibrato, and fast
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
Legato	sustain XF	normal	fast

L1 EH2 Perf-Repetitions Combi   Samples: 791   RAM: 49 MB

Repetition performances
Legato slow
Portato fast
Staccato fast

Matrix switches: Vertical: Modwheel, 3 zones

	repetitions
V1	legato slow
V2	portato fast
V3	staccato fast

Matrix - LEVEL 2 A - Advanced

01 EH2 Perf-Universal   Samples: 2646   RAM: 165 MB

Interval performances
Legato with sustain crossfading, normal without vibrato, and fast
Marcato normal and fast
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones   Vertical: Modwheel, 2 zones

	H1	H2	H3
legato	sustain	normal	fast
marcato	normal	normal	fast

02 EH2 Perf-Trill Speed   Samples: 2612   RAM: 163 MB

Multi interval performances
Legato and trills
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills

03 EH2 Short+Long notes - All   Samples: 1189   RAM: 74 MB

Single notes
Staccato, portato short and medium
Sustained with normal, progressive, and without vibrato with normal attack

Matrix switches: Horizontal: Keyswitches, C1–D#1   Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1
V1	staccato	portato short	port. medium	sus. vibrato
V2	%	%	%	sus. prog. vib.
V3	%	%	%	sus. no vib.

Matrix - LEVEL 2 B - Standard

11 EH2 Perf-Legato Speed   Samples: 1620   RAM: 101 MB

Interval performances
Legato with sustain crossfading, normal without vibrato, and fast
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
Legato	sustain XF	normal	fast

12 EH2 Perf-Marcato Speed   Samples: 1158   RAM: 72 MB

Interval performances^mMarcato normal and fast
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
Marcato	normal	fast

13 EH2 Short notes - All   Samples: 1074   RAM: 67 MB

Single notes
Staccato, portato short and medium, portato long with vibrato, normal and pressed attack, portato long without vibrato, soft attack

Matrix switches: Horizontal: Keyswitches, C1–F1

	C1	C#1	D1	D#1	E1	F1
V1	staccato	port. short	port. medium	port.long vib. norm. attack	port.long no vib. norm. attack	port.long vib. pressed attack

14 EH2 Long notes - All   **Samples: 265   RAM: 16 MB**

Single notes
Sustained with normal and progressive vibrato

Matrix switches: Horizontal: Keyswitches, C1–C#1

	C1	C#1
sustained	vibrato	progressive vibrato

15 EH2 Dynamics - Small   **Samples: 303   RAM: 18 MB**

Dynamics
Medium crescendo and diminuendo with vibrato, 2, 3, and 4 sec.
Fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C1–D1   Vertical: Modwheel, 4 zones

	C1	C#1	D1
dynamics	2 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

16 EH2 Dynamics - Large   **Samples: 507   RAM: 31 MB**

Dynamics
Crescendo and diminuendo, medium with vibrato, strong without vibrato
Crescendo-diminuendo with vibrato 2, 4, and 8 sec.
Fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C1–D1   Vertical: Modwheel, 4 zones

	C1	C#1	D1
V1	dyn.med. vib. 2 sec.	dyn.med. vib. 3 sec.	dyn.med. vib. 4 sec.
V2	dyn.str. no vib. 2 sec.	dyn.str. no vib. 3 sec.	dyn.str. no vib. 4 sec.
V3	pfp vib. 2 sec.	pfp vib. 4 sec.	pfp vib. 8 sec.
V4	fp	sfz	sffz

17 EH2 Flatter   **Samples: 34   RAM: 2 MB**

Flutter tonguing
Normal, dynamics, and normal/dynamics with Cell crossfading

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
flutter	normal	dynamics	Cell XF

18 EH2 Trills - normal   **Samples: 192   RAM: 12 MB**

Trills
Normal and dynamics
Half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–C#1   Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

19 EH2 Trills - accelerando   Samples: 192   RAM: 12 MB

Trills accelerando
Normal and dynamics
Half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–C#1   Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

20 EH2 Trills - All   Samples: 384   RAM: 24 MB

Trills constant speed and accelerando
Normal and dynamics
Half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–D#1   Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
half tone	normal	dynamics	accelerando	acc. dynamics
whole tone	normal	dynamics	accelerando	acc. dynamics

Matrix - LEVEL 2 C - Repetitions

31 EH2 Perf-Repetitions - Combi   Samples: 1403   RAM: 87 MB

Repetition performances
Slow and fast legato, fast portato, slow and fast staccato

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
V1	legato slow	legato fast	portato fast	staccato slow	staccato fast

32 EH2 Perf-Repetitions - Speed   Samples: 1088   RAM: 68 MB

Repetition performances
Slow and fast legato, fast portato, fast staccato
Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
V1	legato slow	legato fast	portato fast	staccato fast

Matrix - LEVEL 2 D - Scale+Phrase

51 EH2 Grace notes - All   Samples: 714   RAM: 44 MB

Grace notes, minor 2nd to octave
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
interval	min. 2nd	maj. 2nd	min. 3rd	maj. 3rd	4th	dim. 5th	5th	min. 6th	maj. 6th	min. 7th	maj. 7th	octave

Matrix - LEVEL 2 E - Keyswitch Vel

71 EH2 Legato slow - cre5   **Samples: 85   RAM: 5 MB**

Slow legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

72 EH2 Legato fast - cre9   **Samples: 153   RAM: 9 MB**

Fast legato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

73 EH2 Portato - cre9   **Samples: 153   RAM: 9 MB**

Portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

74 EH2 Staccato - cre9   **Samples: 162   RAM: 10 MB**

Staccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

75 EH2 Combi - cre9   **Samples: 468   RAM: 29 MB**

Fast legato, portato and staccato: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1   Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
legato fast	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
portato	1st	%	%	%	%	%	%	%	%
staccato	1st	%	%	%	%	%	%	%	%

76 EH2 Legato slow - dim5   **Samples: 85   RAM: 5 MB**

Slow legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

77 EH2 Legato fast - dim9   **Samples: 153   RAM: 9 MB**

Fast legato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

78 EH2 Portato - dim9   **Samples: 153   RAM: 9 MB**

Portato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

79 EH2 Staccato - dim9   **Samples: 162   RAM: 10 MB**

Staccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

80 EH2 Combi - dim9   **Samples: 468   RAM: 29 MB**

Fast legato, portato and staccato: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1   Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
legato fast	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
portato	1st	%	%	%	%	%	%	%	%
staccato	1st	%	%	%	%	%	%	%	%

Presets

EH2 VSL Preset Level 1   Samples: 3368   RAM: 210 MB

L1 EH2 Perf-Legato Speed
L1 EH2 Articulation Combi
L1 EH2 Perf-Repetitions Combi
Preset keyswitches: C2–D2

EH2 VSL Preset Level 2   Samples: 6806   RAM: 425 MB

01 EH2 Perf-Universal
02 EH2 Perf-Trill Speed
L1 EH2 Articulation Combi
31 EH2 Perf-Repetitions - Combi
75 EH2 Combi - cre9
Preset keyswitches: C2–E2